Medical Oncology and Tumor Pharmacotherapy

Volume Contents and Author Index
Volume 2, 1985

VOL.
2
1985

PERGAMON PRESS Oxford • New York • Toronto • Sydney • Frankfurt

Medical Oncology and Tumor Pharmacotherapy

SENIOR EDITORS

James F. Holland, MD, Department of Neoplastic Diseases, Mt Sinai School of Medicine, New York, NY 10029, U.S.A.

Georges Mathé, MD, Institut de Cancérologie et d'Immunogenetique, Hôpital Paul Brousse, 94800 Villejuif, France

COORDINATING EDITOR

Peter Reizenstein, MD, Division of Hematology, Karolinska Institute and Hospital, 10401 Stockholm, Sweden

REGIONAL EDITORS

Paul Calabresi, MD, Department of Medicine, Roger Williams General Hospital, Brown University, Providence, RI 02912, U.S.A.

Kiyoji Kimura, MD, National Nagoya Hospital, 4-1-1, Sannomaru, Naka-Ku, Nagoya 460, Japan

Georges Meyer, MD, Unité de Recherches de Cancérologie Expérimentale, 27, Bd Lei Roure, 13009 Marseilles, France

Peter Reizenstein, MD, Division of Hematology, Karolinska Hospital, 10401 Stockholm, Sweden

James M. A. Whitehouse, MD, C.R.C. Medical Oncology Unit, Centre Block CP 99, Southampton SO9 4XY, United Kingdom

EDITORIAL BOARD

L. Andersson, *Stockholm* (Urology)
W. Bollag, *Basel* (Pharmacochemistry)
G. Bonadonna, *Milan* (Chemotherapy)
N. Einhorn, *Stockholm* (Gynecology)
K. Harrap, *London* (Pharmacology and Toxicology)
E. M. Hersh, *Houston* (Immunotherapy and Biological Response Modifiers)
B. Nordenskjöld, *Linköping* (Endocrinology)
R. T. D. Oliver, *London* (Urology)
J. Pontén, *Uppsala* (Pathology)
H. D. Preisler, *Buffalo* (Leukemia)
L. Sachs, *Rehovot* (Differentiation)
M. Toga, *Marseilles* (Neurology)
U. Umezawa, *Tokyo* (Pharmacochemistry)

Annual Subscription Rates (1986)

For libraries, research establishments, government laboratories, industrial and other multiple-reader institutions $85.00 per annum (two year rate 1986–87 $161.50), including postage and insurance.

Published Quarterly

Publishing and Advertising Offices

Pergamon Press Inc., Maxwell House, Fairview Park, Elmsford, NY 10523, U.S.A.
Pergamon Press Ltd., Headington Hill Hall, Oxford OX3 0BW, U.K.

Microform Subscriptions and back issues

Current subscriptions are available on microfiche simultaneously with the paper edition and on microfilm on completion of the annual index at the end of the subscription year.

Copyright © 1985 Pergamon Press Ltd.

It is a condition of publication that manuscripts submitted to this journal have not been published and will not be simultaneously submitted or published elsewhere. By submitting a manuscript, the authors agree that the copyright of their article is transferred to the publisher if and when the article is accepted for publication. However, assignment of copyright is not required for authors who work for organisations which do not permit such assignments. The copyright covers the exclusive rights to reproduce and distribute the article, including reprints, photographic reproductions, microform or any other reproductions of similar nature and translations. No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic,electrostatic, magnetic tape, mechanical, photocopying, recording or otherwise, without permission in writing from the copyright holder.

U.S. Copyright Law Applicable to Users in the U.S.A.

Photocopying information for users in the U.S.A.: The Item-Fee Code for this publication indicates that authorization to photocopy items for internal or personal use is granted by the copyright holder for libraries and other users registered with the Copyright Clearance Center (CCC) Transactional Reporting Service provided the stated fee for copying beyond that permitted by Section 107 or 108 of the United States Copyright Law is paid. The appropriate remittance of $3.00 per copy per article is paid directly to the Copyright Clearance Center Inc., 21 Congress Street, Salem, MA 01970. The copyright owner's consent does not extend to copying for general distribution, for promotion, for creating new works, or for resale. Specific written permission must be obtained from the publisher for such copying. In case of doubt please contact your nearest Pergamon office.

The Item-Fee Code for this publication is: 0736-0118/85 $3.00 + .00.

List of Contents
Number 1

Editorial

I. OLSSON and T. OLOFSSON — 1 — Production, characteristics and mode of action of hemopoietic growth inhibitors in myeloid leukemias

Review

L. BRANDT — 7 — Environmental factors and leukaemia

Articles

J. KLASTERSKY, J. P. SCULIER and P. MOMMEN — 11 — Complete remissions in non small cell lung cancer

G. SCHELLONG, U. CREUTZIG and J. RITTER — 17 — Treatment of acute myelogenous leukemia in children

K. WAYSS, R. HERRMANN, J. MATTERN and M. VOLM — 27 — Sequential methotrexate (MTX) and 5-fluorouracil (FU) in human tumor xenografts

J. G. DELINASSIOS and M. J. TALIERI — 33 — Cytogenetical changes during early stages of development of methotrexate resistance in HeLa cells

A. RAZA, S. C. ZHAO, K. KULIZKOWSKI and H. D. PREISLER — 39 — Effects of cytosine arabinoside on DNA synthesis and mitotic activity of HL-60 cells

S. EKSBORG, B. J. CEDERMARK and H.-S. STRANDLER — 47 — Intrahepatic and intravenous administration of adriamycin — a comparative pharmacokinetic study in patients with malignant liver tumours

Meeting Report

P. REIZENSTEIN, J. McLAREN and C. OGIER — 55 — Fourth Annual Sanrocco International Cancer Symposium

Book Reviews — 59

Notes and News

61 — "Helper" and "suppressor" T lymphocytes regulating blood cell formation in man

61 — Relationship between plasma adriamycin levels and the outcome of remission induction therapy for acute nonlymphatic leukemia

61 — Preventing herpes

62 — Regression of myelocytic leukemia in rats after hypophysectomy

62 — Natural killer-like cells in B-cell compartments

62 — Expression of the BLA antigen in lymphoma and leukemia cells

62 — Immunosuppressive and NK-activating leukotrienes

63 — Cyclosporin A (Csp) — an immunosuppressive drug specific for T-helper cells?

63 — Gene expression in leukemia

VOL. 2 .985

Number 1 (cont'd)

	64	Lymphoma-genesis
	64	Interferon activates macrophages
	64	Interferon induces expression of HLA-DR and Fc-gamma-receptor for monomeric IgG1
	65	Carbohydrates, lymphokines, and tumor inducing and tumor derived factors affect NK-cell activity
	65	Ras K-oncogen in and antigens on ovarian carcinoma cells
	65	Calcium blockers and resistance to cytostatics
Announcement	67	European Society for Medical Oncology (ESMO) award for outstanding research in the field of medical oncology

Number 2

Articles

J. ALEXIEVA-FIGUSCH, W. L. J. VAN PUTTEN, H. A. VAN GILSE, J. BLONK-V. D. WIJST and J. G. M. KLIJN	69	Sequential treatment of metastatic breast cancer with tamoxifen after megestrol acetate therapy and vice versa (a retrospective study)
K. SIKORA, T. ALDERSON, A. NETHERSELL and H. SMEDLEY	77	Tumour localisation by human monoclonal antibodies
H. D. PREISLER, A. RAZA and M. BARCOS	87	Treatment of dysmyelopoietic/leukemic syndromes with myelofibrosis and megakaryocytic hyperplasia with large doses of cytosine arabinoside
F. VILLANI, R. COMAZZI, G. LACAITA, A. GUINDANI, V. GENITONI, A. VOLONTERIO and M. C. BRAMBILLA	93	Possible enhancement of the cardiotoxicity of doxorubicin when combined with mitomycin C
N. TUBIANA, N. LENA, J. BARBET, A. M. IMBERT, C. LEJEUNE, D. MARANINCHI, D. SAINTY, G. SEBAHOUN, J. A. GASTAUT, J. P. CANO and Y. CARCASSONNE	99	Methotrexate–vindesine association in leukemia: pharmacokinetic study
C. CHARPIN, P. M. MARTIN, A. LACHARD, J. JACQUEMIER, M. N. LAVAUT, C. ANDONIAN, N. POURREAU-SCHNEIDER and M. TOGA	103	Kappa casein, lactalbumin and GCDFP 70 localization in human breast carcinomas: an immunohistochemical study using the avidin–biotin–peroxidase complex method

Meeting Report

J. PONTÉN	113	Nordic Cancer Union Annual Symposium, Uppsala, Sweden, September 1984
Book Review	115	Cutaneous Lymphomas, Pseudolymphomas and Related Disorders by G. Burg and O. Braun-Falco

Number 2 (cont'd)

Notes and News

Notes

117 Reduced NK-activity in lupus

117 Ras K-oncogen and antigens on ovarian carcinoma cells

117 Calcium blockers and resistance to cytostatics

117 Protein A and cancer

118 High dose cytosine arabinoside

118 Prognostic value of lactic dehydrogenase (LDH) in leukemia

118 Simultaneous radiation and chemotherapy in Hodgkin's disease

Contents of the Journal Anticancer Research, *Volume* 4, *Number* 6, 1984 — 119

Number 3

Special Issue: Nutrition and Cancer — Sanrocco International Cancer Symposia 5th Annual Meeting

P. REIZENSTEIN — 121 Editorial

Nutritional Causes of Cancer

A. P. SIMOPOULOS — 125 Fat intake, obesity, and cancer of the breast and endometrium

R. MACLENNAN — 137 Fat intake and cancer of the gastrointestinal tract and prostate

C. PETERSON, S. VITOLS, M. RUDLING, H. BLOMGREN, F. EDSMYR and L. SKOOG — 143 Hypocholesterolemia in cancer patients may be caused by elevated LDL receptor activities in malignant cells

S. A. BINGHAM — 149 Dietary fibre consumption and its association with large bowel cancer in man

I. PELEG, S. MORRIS and C. G. HAMES — 157 Is serum selenium a risk factor for cancer?

C. E. BUTTERWORTH JR — 165 Vitamin deficiency and cancer

L. M. DE LUCA — 175 Retinoids and tumorigenesis: mechanistic considerations

Nutritional Disturbances in Cancer Patients

K. G. LUNDHOLM — 183 Origins of emaciation in cancer patients

P. REIZENSTEIN — 189 Folate and iron metabolism in patients with tumors and inflammations

R. RUFFMANN, E. SCHLICK, T. TARTARIS, E. GRUYS, R. D. WELKER, T. SAITO and M. A. CHIRIGOS — 195 Effects of protein depletion on NK cell cytotoxicity and bone marrow cellularity

G. MATHE, I. BLAZSEK, M. A. GIL-DELGADO, C. CANON, J.-L. MISSET, H. GAGET and P. REIZENSTEIN — 203 The effect of zinc on normal and neoplastic T-lymphocyte proliferation

VOL. 2 1985

Number 3 (cont'd)

Nutritional Support of Cancer Patients

L. LINDMARK and L. EKMAN — 213 Metabolic effects of nutritional support to cancer patients

E. G. E. DE VRIES, W. M. T. KREUMER, D. L. SCHIPPERS and N. H. MULDER — 219 Tube feeding of cancer patients treated with chemotherapy

S. JENSEN — 225 Clinical effects of enteral and parenteral nutrition preceding cancer surgery

Contents of the Journal Anticancer Research, *Volume* 5, *Number* 1, 1985 — 231

Number 4

Articles

P. SCUDERI, E. WESTIN, J. CLAGETT, R. AMES, R. GALLO, M. BLICK and J. A. ROTH — 233 Detection of a surface antigen on NIH3T3 cells transfected with a human leukemia oncogene

G. CEHOVIC, T. W. REDDING and A. V. SCHALLY — 243 Changes in the ^{32}P incorporation in rat mammary tumor after chronic administration of LH-RH analogs

K. JAUHIAINEN and O. ALFTHAN — 249 Methodologies for quantifying the results of intravesical chemotherapy of superficial tumors of the bladder

J. ROBERT, P. VRIGNAUD, H. EGHBALI, T. NGUYEN-NGOC and B. HOERNI — 255 Tentative dose-monitoring of doxorubicin in lymphoma patients

E. KIMBY, B. AXELSSON, M. BJÖRKHOLM, J. GORDON, G. HOLM and H. MELLSTEDT — 261 Characterization of chronic lymphocytic leukemia (CLL) cells with low density of surface membrane bound immunoglobulins (smIg)

A. RAZA, A. S. RAZA, K. KULICZKOWSKI, SHI-CHENG ZHAO and H. D. PREISLER — 269 Comparison of autoradiography and DNA histograms in assessing S-phase cells from patients with myeloid leukemias

F. GADLER and B. WAHREN — 281 Serum NCA in bone marrow transplant recipients and its metabolism

F. EICHLER-REISS, P. REIZENSTEIN and G. MATHÉ — 287 Influence of pre-incubation with one antibody on the binding of a second by human lymphocytes

Meeting Report

P. REIZENSTEIN — 291 Three decades of progress in medical oncology

Notes, News and Mini-Reviews

293 Reviews of marrow transplants in acute leukemia

293 Immunoincompetence

Announcements — 295

Contents of the Journal Anticancer Research, *Volume* 5, *Number* 2, 1985 — 297

Author Index

Alderson T. 77
Alexieva-Figusch J. 69
Alfthan O. 249
Ames R. 233
Andonian C. 103
Axelsson B. 261

Barbet J. 99
Barcos M. 87
Bingham S.A. 149
Björkholm M. 261
Blazsek I. 203
Blick M. 233
Blomgren H. 143
Blonk-v.d. Wijst J. 69
Brambilla M.C. 93
Brandt L. 7
Butterworth C.E. Jr 165

Cano J.P. 99
Canon C. 203
Carcassonne Y. 99
Cedermark B.J. 47
Cehovic G. 243
Charpin C. 103
Chirigos M.A. 195
Clagett J. 233
Comazzi R. 93
Creutzig U. 17

De Luca L.M. 175
De Vries E.G.E. 219
Delinassios J.G. 33

Edsmyr F. 143
Eghbali H. 255
Eichler-Reiss F. 287
Ekman L. 213
Eksborg S. 47

Gadler F. 281
Gaget H. 203
Gallo R. 233
Gastaut J.A. 99
Genitoni V. 93
Gil-Delgado M.A. 203
Gordon J. 261
Gruys E. 195
Guindani A. 93

Hames C.G. 157
Herrmann R. 27
Hoerni B. 255
Holm G. 261

Imbert A.M. 99

Jacquemier J. 103
Jauhiainen K. 249
Jensen S. 225

Kimby E. 261
Klastersky J. 11
Klijn J.G.M. 69
Kreumer W.M.T. 219
Kuliczkowski K. 39, 269

Lacaita G. 93
Lachard A. 103
Lavaut M.N. 103
Lejeune C. 99
Lena N. 99
Lindmark L. 213
Lundholm K.G. 183

Maclennan R. 137
Maraninchi D. 99
Martin P.M. 103
Mathe G. 203, 287
Mattern J. 27
McLaren J. 55
Mellstadt H. 261
Misset J.-L. 203
Mommen P. 11
Morris S. 157
Mulder N.H. 219

Nethersell A. 77
Nguyen-Ngoc T. 255

Ogier C. 55
Olofsson T. 1
Olsson I. 1

Peleg I. 157
Peterson C. 143
Ponten J. 113
Pourreau-Schneider N. 103
Preisler H.D. 37, 87, 269

Raza A. 39, 87, 269
Raza A.S. 269
Redding T.W. 243
Reizenstein P. 55, 121, 189, 203, 287, 291
Ritter J. 17
Robert J. 255
Roth J.A. 233
Rudling M. 143

VOL. 2 1985

Author Index (cont'd)

Ruffmann R. 195

Sainty D. 99
Saito T. 195
Schally A.V. 243
Schellong G. 17
Schippers D.L. 219
Schlick E. 195
Scuderi P. 233
Sculier J.P. 11
Sebahoun G. 99
Shi-Cheng Zhao 269
Sikora K. 77
Simopoulos A.P. 125
Skoog L. 143
Smedley H. 77
Strandler H.-S. 47

Talieri M.J. 33
Tartaris T. 195
Toga M. 103
Tubiana N. 99

Van Gilse H.A. 69
Van Putten W.L.J. 69
Villani F. 93
Vitols S. 143
Volm M. 27
Volonterio A. 93
Vrignaud P. 255

Wahren B. 281
Wayss K. 27
Welker R.D. 195
Westin E. 233

Zhao S.C. 39

Printed in Great Britain by Express Litho Service (Oxford)

VOL.
2
1985